

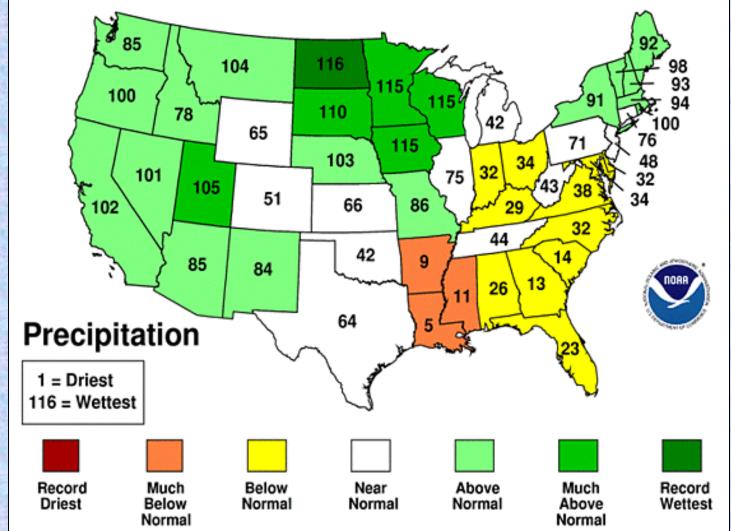


The Weather Ahead

John Lewis, Senior Forecaster National Weather Service Little Rock, Arkansas



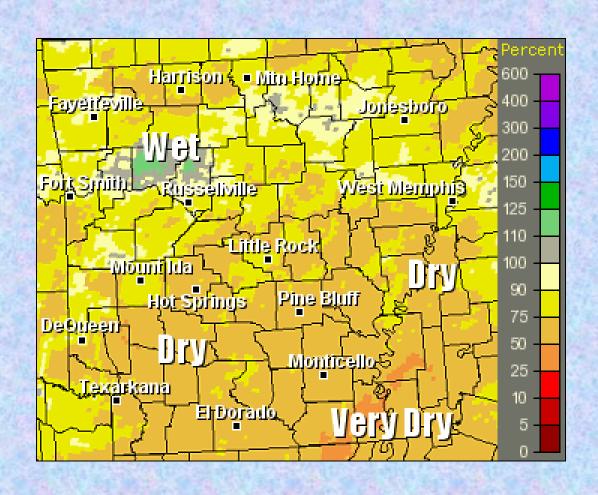






A Lack of Rain





Percent of normal rainfall in 2010.



A Lack of Rain 2010

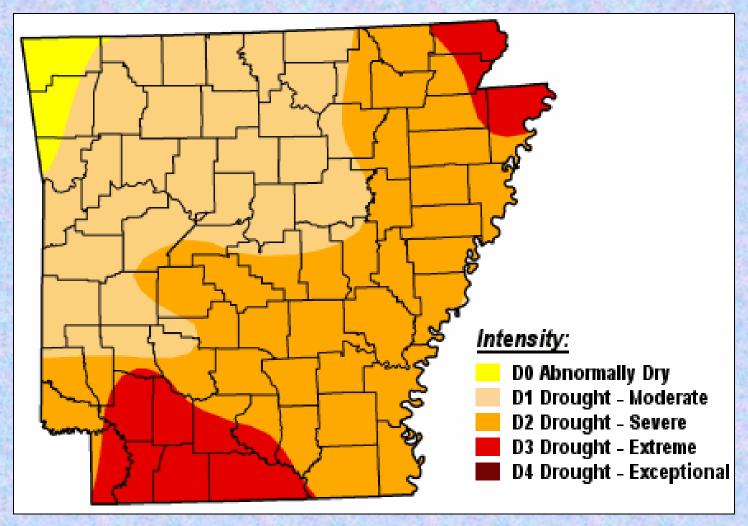


Precipitation in 2010					
Site	Amount	+/-	% of Normal	Months Below Normal	
Fayetteville (NW AR)	42.15	-3.87	92%	09	
Harrison (NC AR)	46.12	+0.92	102%	07	
Jonesboro (NE AR)	32.22	-13.96	70%	10	
Fort Smith (WC AR)	35.27	-8.60	80%	09	
Little Rock (C AR)	36.52	-14.41	72%	10	
West Memphis (EC AR)	51.83	-0.97	98%	07	
Texarkana (SW AR)	29.53	-17.85	62%	11	
El Dorado (SC AR)	34.23	-19.88	63%	08	
Pine Bluff (SE AR)	31.97	-20.51	61%	09	



Drought Conditions January 11, 2011

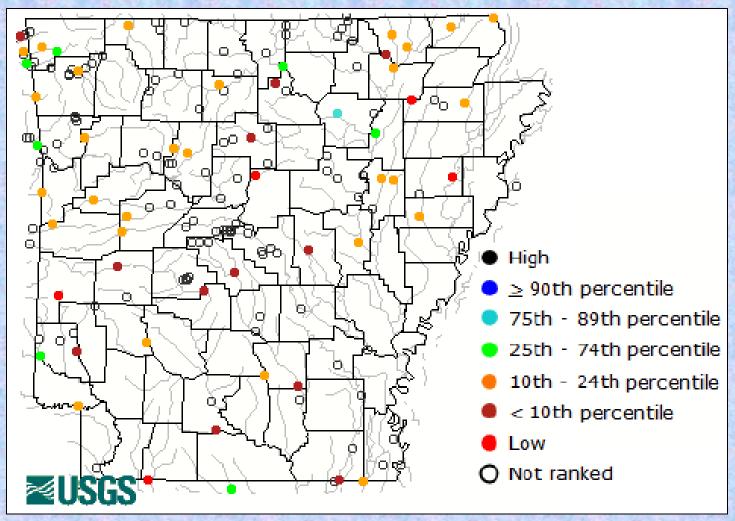






Streamflow January 14, 2011

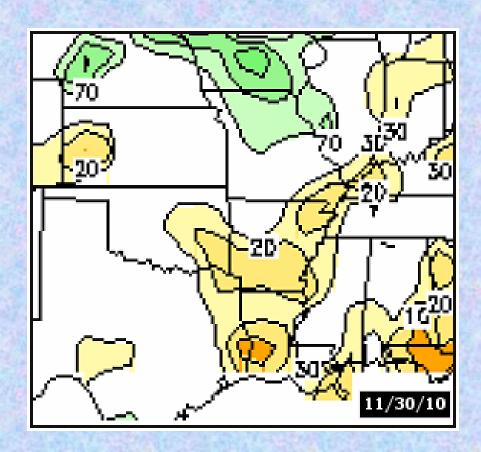


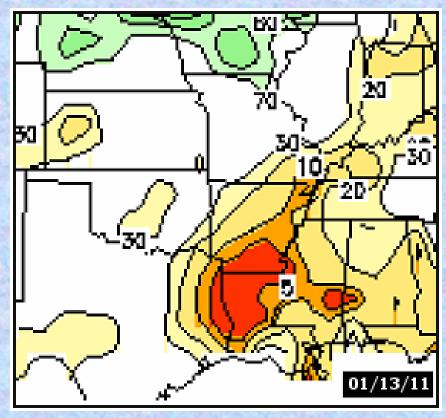




Soil Moisture November 30, 2010 -January 13, 2011









A Lack of Rain Early 2011



Precipitation							
Site	Jan, 2011 Pcpn	+/-	Feb, 2011 Pcpn	+/-	Mar, 2011 Pcpn	+/-	Overall
Fayetteville (NW AR)	0.27	-1.87	3.70	+1.29	2.04	-2.13	-2.71
Harrison (NC AR)	0.25	-2.26	4.43	+1.72	2.35	-1.94	-2.48
Jonesboro (NE AR)	0.50	-2.79	5.36	+1.80	5.02	+0.57	-0.42
Fort Smith (WC AR)	0.51	-1.86	3.18	+0.59	0.80	-3.14	-4.41
Little Rock (C AR)	0.94	-2.67	4.04	+0.71	4.18	-0.70	-2.66
W Memphis (EC AR)	1.18	-2.89	2.86	-1.35	4.76	-0.77	-5.01
Texarkana (SW AR)	2.25	-1.32	2.22	-1.09	0.96	-3.13	-5.54
El Dorado (SC AR)	3.20	-1.73	2.34	-1.90	0.74	-4.41	-8.04
Pine Bluff (SE AR)	1.02	-3.19	3.51	-0.49	1.94	-3.14	-6.82





This expresses how pressures are varying in the northern Atlantic.

This past winter (and in 2009), pressures were high over the North Pole...with lower than normal pressures in the mid-latitudes.

This created a strongly negative AO Index...the second lowest on record in December (behind December, 2009).





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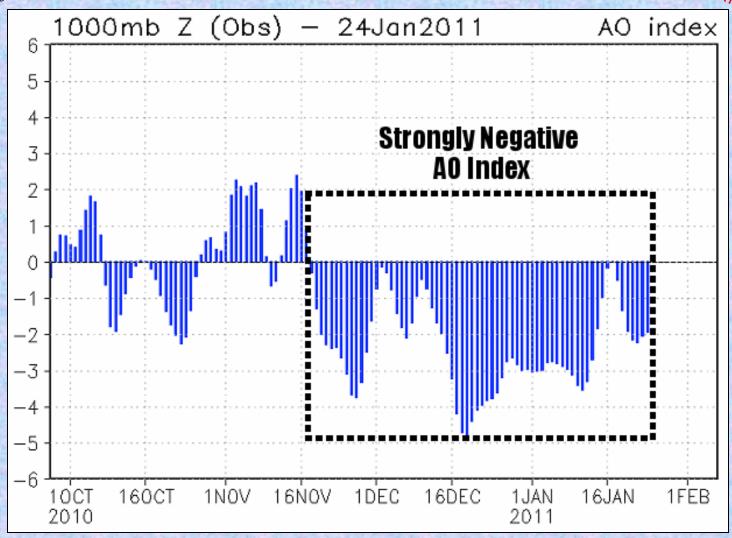
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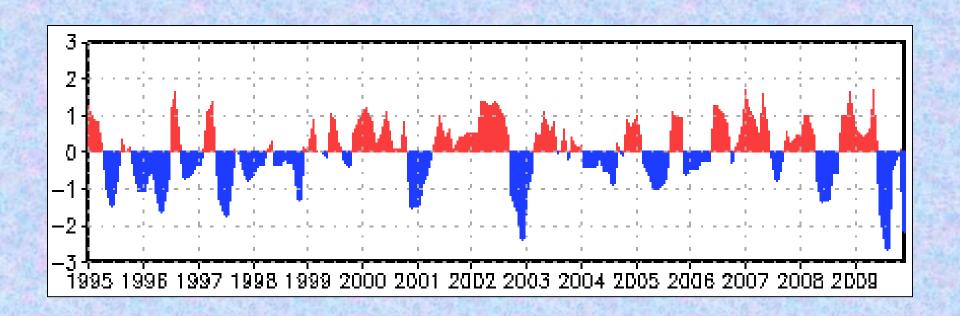






A Closer Look at AO





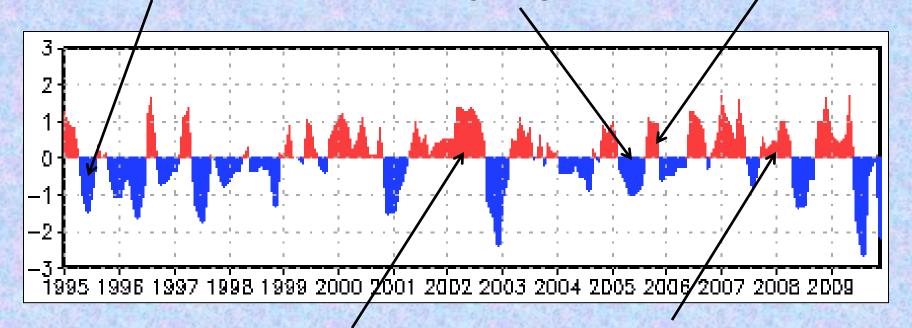


A Closer Look at AO



1995: 6th Driest Summer at Little Rock (4.84")

Early 2005: Very Dry Late 2005: A Wet Period (Rita)

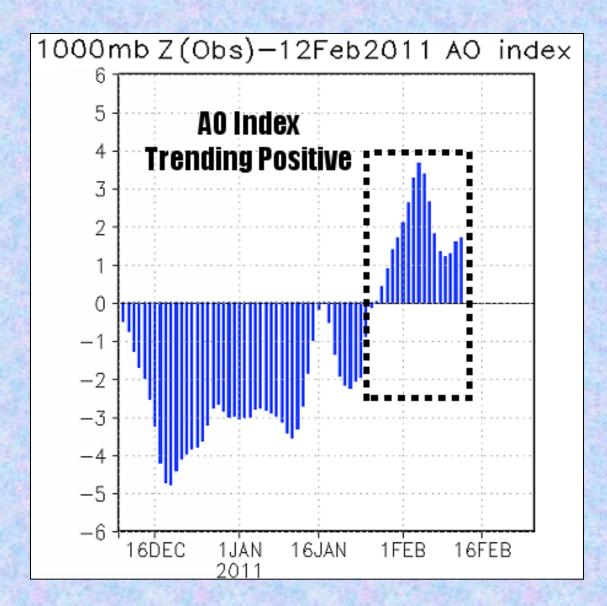


Late 2001|Early 2002: Widespread Flooding

Early 2008: Tornadoes, Flooding & Heavy Snow



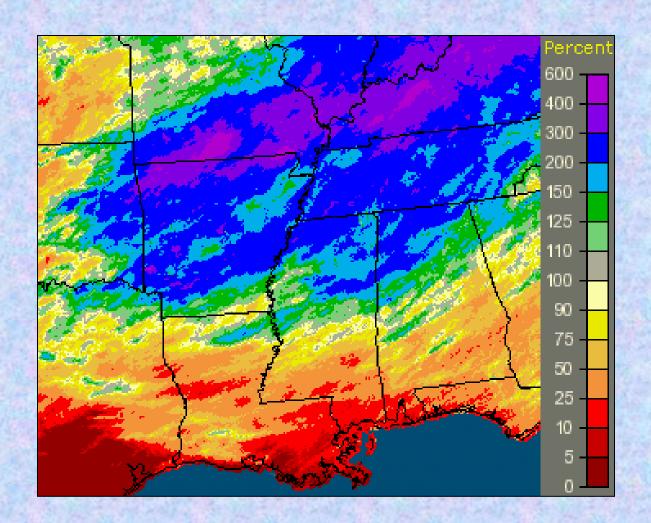






Big Time Rain April, 2011





Percent of normal rainfall.



Big Time Rain April, 2011



Precipitation in April, 2011					
Site	Amount	Normal	+/_	% of Normal	
Fayetteville (NW AR)	15.28	4.33	+10.95	353%	
Harrison (NC AR)	14.73	4.10	+10.64	359%	
Jonesboro (NE AR)	8.15	4.99	+3.16	163%	
Fort Smith (WC AR)	9.55	3.91	+5.64	244%	
Little Rock (C AR)	7.23	5.47	+1.76	132%	
West Memphis (EC AR)	7.48	5.46	+2.02	137%	
Texarkana (SW AR)	5.94	3.95	+1.99	150%	
El Dorado (SC AR)	8.29	4.55	+3.74	182%	
Pine Bluff (SE AR)	13.26	5.14	+8.12	258%	



Yearly Rainfall 2011

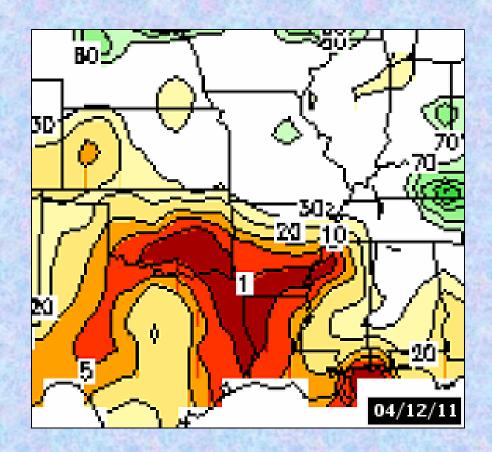


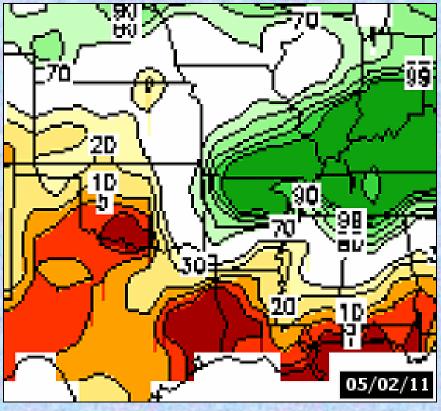
Precipitation in 2011					
Site	Amount	+/_	% of Normal		
Fayetteville (NW AR)	21.29	+8.24	163%		
Harrison (NC AR)	21.76	+8.16	160%		
Jonesboro (NE AR)	19.03	+2.74	117%		
Fort Smith (WC AR)	14.04	+1.23	110%		
Little Rock (C AR)	16.39	-0.90	95%		
West Memphis (EC AR)	16.28	-2.99	84%		
Texarkana (SW AR)	11.36	-3.56	76%		
El Dorado (SC AR)	14.57	-4.30	77%		
Pine Bluff (SE AR)	19.73	+1.30	107%		

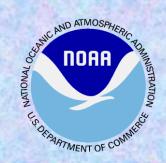


Soil Moisture April 12 - 26, 2011



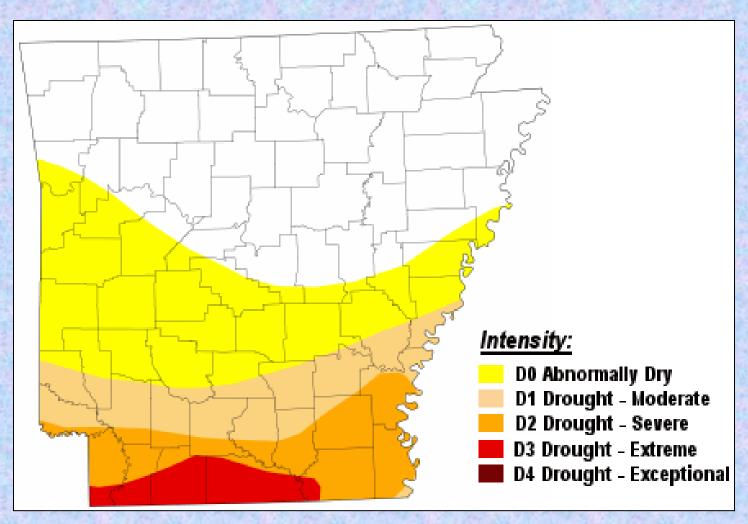






Drought Conditions April 26, 2011

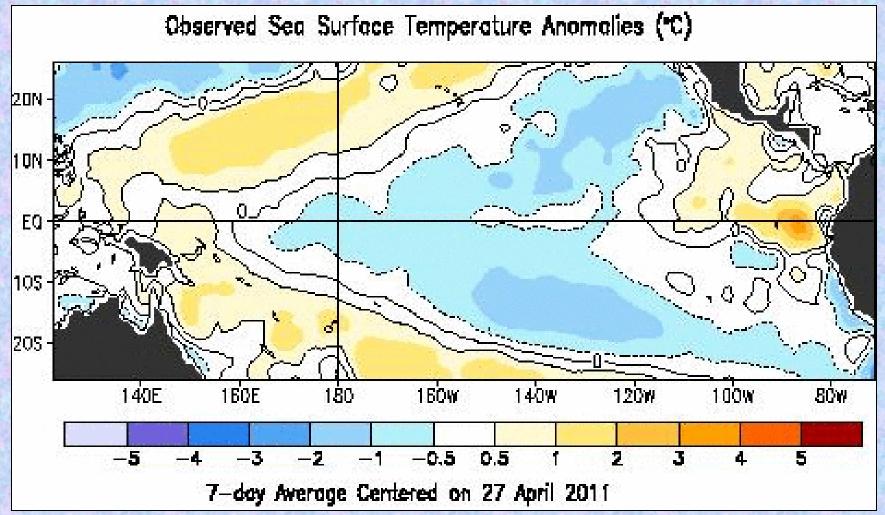






Status of La Niña April 27, 2011

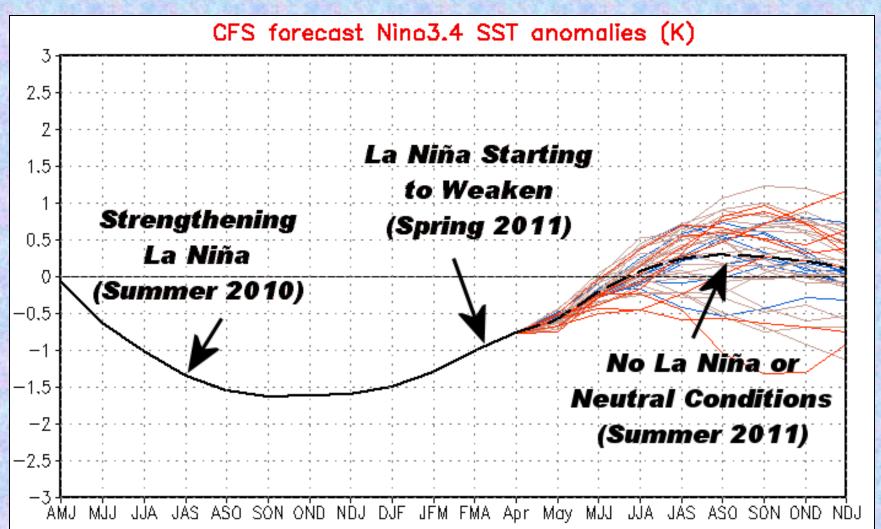






Weakening La Niña

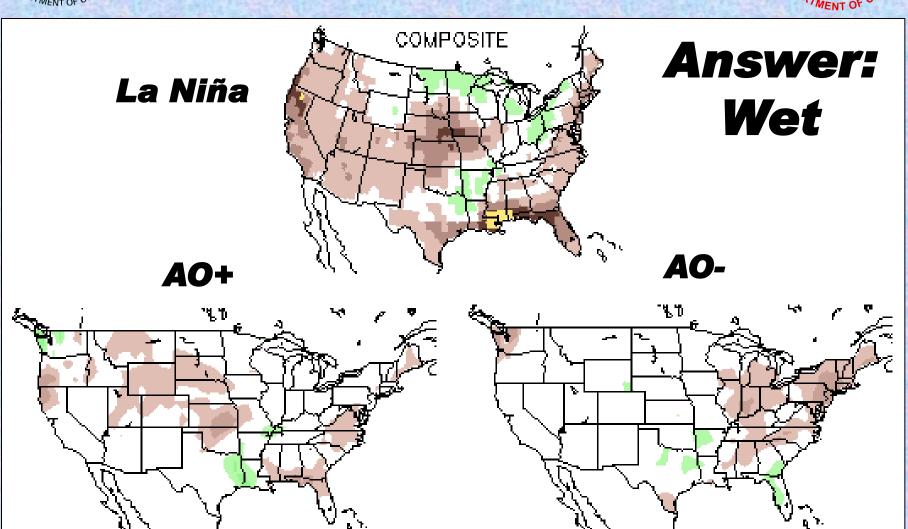






Wet or Dry? Mar - May, 2011

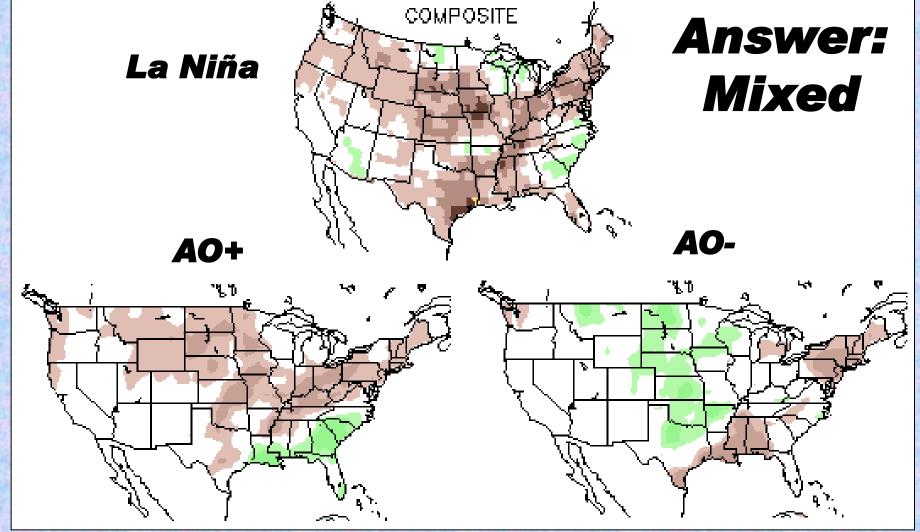






Wet or Dry? May - Jul, 2011

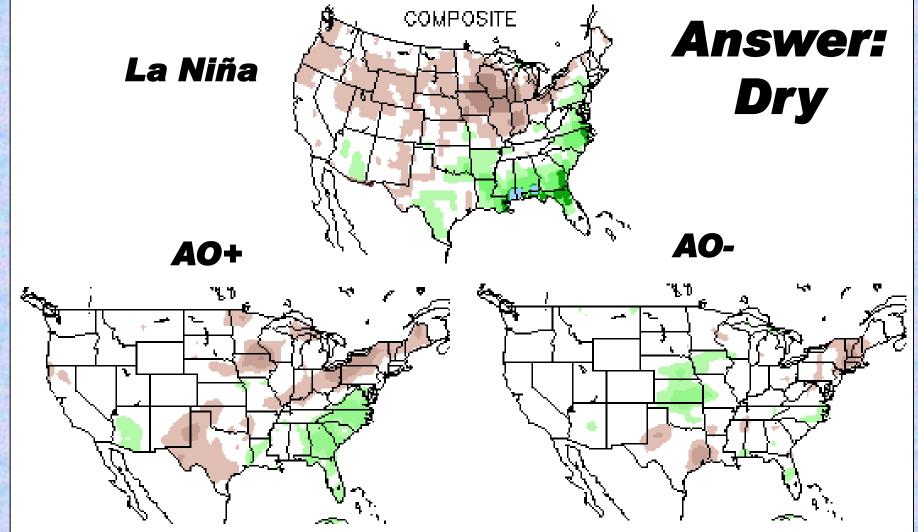






Wet or Dry? Jul - Sep, 2011







The Tropics



Tropical system are most likely in the Atlantic given La Niña to neutral conditions because of decreasing wind shear.

This gives hurricanes a chance to organize without disruption.

A positive AO means a stronger Bermuda high, stronger trade winds, and increased activity in the southeast United States.



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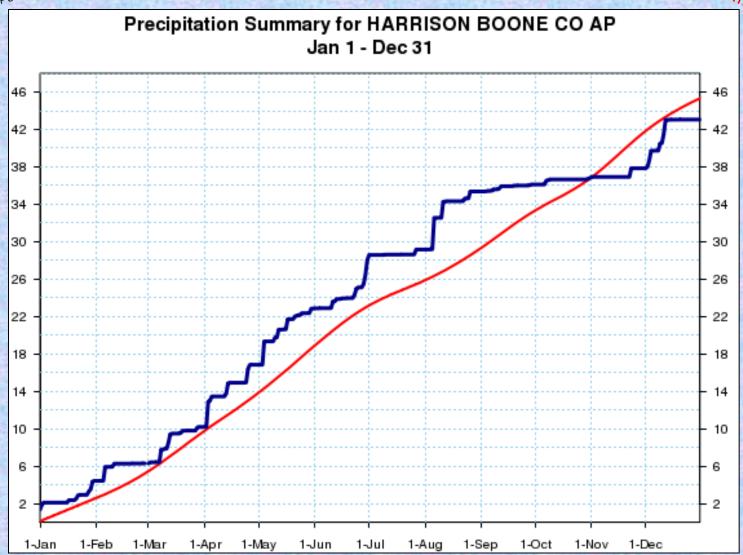
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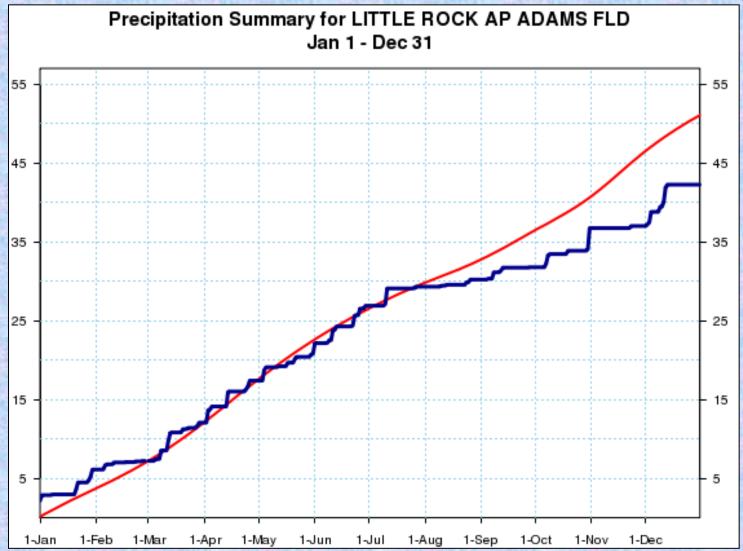






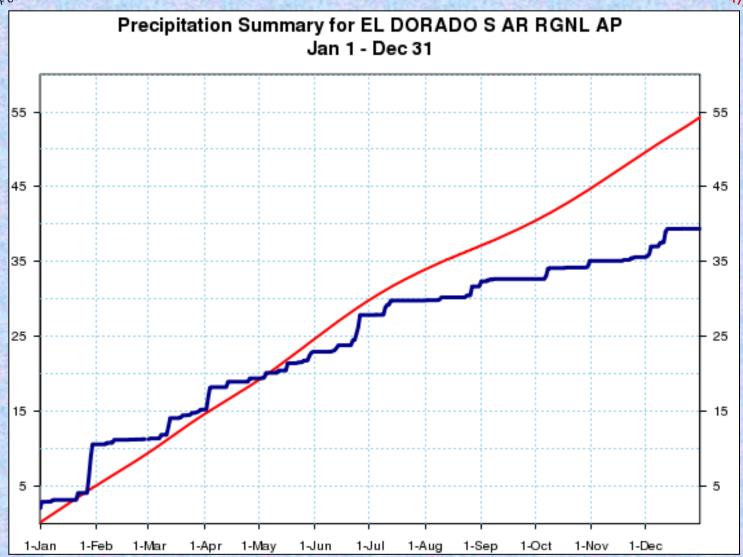














The Forecast



It looks like an active pattern (atlabove normal rainfall) will carry through May given (weakening) La Niña conditions and a positive AO.

This normal to wet pattern may continue into the early summer before a dry late summer and fall.

If above normal rainfall is experienced this year, it is favored in northern Arkansas.



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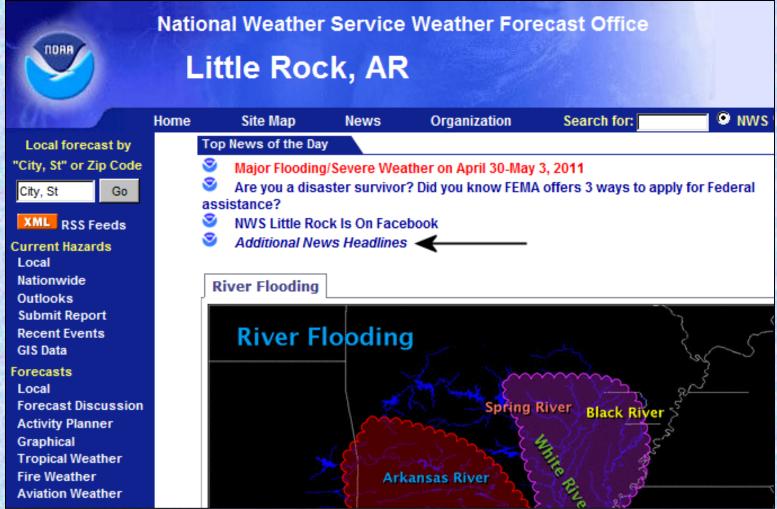
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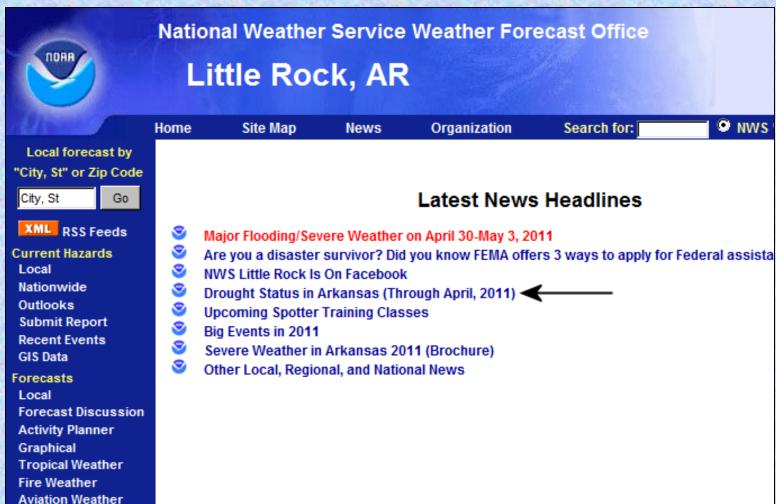
















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The End



Thanks for coming!